

The advantages of the type of oven selected for the Gary plant are interesting. The ovens are heated with gas evolved from the coal carbonized. The coal yields from 50 to 40 per cent more gas than necessary for its carbonization, and in the old beehive process

[illegible]

activity in the tar-separating tank.

From the tar extractors, the gas passes to reheaters, where its temperature is raised to about 70 degrees C. by the use of steam. The heated gas is then conducted to the acid saturators in large vessels, containing a solution of about 5 per cent. of free sulphuric acid, and the gas leaves the saturators at about 30 degrees C. At this low temperature the chemical affinity between the acid and ammonia is so great that a neutral salt (ammonia sulphate) is easily obtained. The salt is continuously removed from this enclosed type of saturator, by an elevator, and is dropped into a tank from where it is run off, together with the mother liquor, into a centrifugal separator in the usual way. When desired, concentrated ammonia liquor is produced instead of ammonia sulphate.

About 50 per cent. of the total daily yield of about 100,000,000 cubic feet of gas is used in the steel plant, and the remainder is used to heat the ammonia. The ammoniacal liquor is treated with lime to decompose fixed ammonia compounds, and then heated to vaporize the ammonia, which is conducted to the gas main and absorbed in the saturators. About 1 per cent. of ammoniacal sulphate and 2 per cent. of ammoniacal chloride are obtained. The coke yield is approximately 84 per cent. of the weight of the coal coked.

Our Foundry Coke is unexcelled by any. Its low sulphur and ash and high fixed carbon make it superior to many. It has the ability to give high melting ratios in your foundry.

WANT LARGER APPROPRIATION

**MRS. SARAH STEWART DIES
AT HER SMITHFIELD HOME**

**UNCLE SAM'S FINANCES ARE IN
BEST OF CONDITION JUST NOW**

KICK ON NO 3


CRESSON

PENNSYLVANIA'S
NEWEST SANATORIUM



NEAR THE SANATORIUM

GENERAL VIEW
OF BUILDINGS



EACH MET DEATH ON RAHS

[illegible]

Auxiliary

[illegible]

4. I think the situation Joseph
 5. is in is a bit better and that

[illegible]

but He'll say Broth'r valley town is-
 ip 1800 - S. Pla. o Alex. n. R

tion of the understructure for this morning a cylinder which he had cut out of wood was found on the castle walls.

Mr. Kusner is survived by his wife and one daughter, also a brother-in-law and Kusner of Brownsville.

CRUISEMENT

Under Banners of a Suit Brought For Divorce

ST. MONTANA, Nov. 20. — Special divorce suit was filed this week in Montana by Josephine Marie Leitch, formerly Angelle Patch against her husband, Michael Joseph Leitch. The couple were married in Cov. Mississipi Sept. 11, 1913 and went to live at St. Helena, La. and since their marriage, Josephine Leitch has been living with her father and he has been residing at the present time at his whereabouts she does not know, with her father.

CKLESS SHOOTING CHARGED

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AUTO

Lubrication W

There's nothing more important to your automobile than good oil. Spec all a different oil. You can't afford to gamble. You need the best. The ideal oil for your engine is Waverly. It's a water-cooled car. You need a dealer who sells it. A test will convince you. **WAVERLY OIL**. Independent Refiners.

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FROM REPORT OF LIBRARIAN

The books are really the
 history of the time apart
 from the actual value
 of the books. Smith's
 report shows
 the need of the library
 and the need of the
 town and the
 number of books
 in the year was 45.60
 The books were added to the library
 in the year 1900 was 60
 The books were withdrawn
 here was lost through fire and
 31 books, and 33 books were rebound
 by the girls in the library
 The books were 100 and 3 pictures
 in the library

THE ASSESSED VALUATIONS AND TAXES IN SOMERSET

Number of taxables 10299 clear
land 240 991 acres timber land 302
030 acres value of real estate 316
314 14 value of real estate exempt

Met in Uniontown
The annual meeting of the Fayette County Medical Society will be held in Uniontown on January 3 instead of Councilville on January 2 as was previously announced.

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WAVERLY SPECIAL

A

Lubrication Without Carbon

There's nothing more important to an automobile than good oil. Waverly Spec-Al, a free from carbon—it is light—lets a thin—it feeds easily—it will not congeal. The ideal oil for all your air-cooled or water-cooled cars.

Your dealer sells it. If not write to us. A test will convince you.

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Also makers of Waverly Gasolene.

FREE 200 Page Book—tells all about it!

OIL

PRIVATE BANKERS MAKE APPLICATION

Under the New Law to Do
Business in Fayette
County.

THERE ARE SEVEN FIRMS

Who Apply to Establish Houses in
Uniontown, Brownsville, New Salem,
Masontown and Fairchance—No
Applications From Conneltsville

Seven private banking firms in Fayette county are making application for license under the new banking law covering the business of private banking in Pennsylvania. The bankers are required to advertise their applications for a period of three weeks before a license can be issued. Notice of the applications in Fayette county were sent from Harrisburg Wednesday being received in Conneltsville and Uniontown Thursday. There are no applicants in the list from Conneltsville. Among the seven applications three are made by Louis A. Kall of Uniontown. Kall makes application to do business as a private banker at Uniontown, Masontown and Brownsville. The other applicants are the R. Politz Company, Brownsville; Zink & Halpern, Uniontown; Jubelirer Brothers, New Salem; and Julius E. Biro, Fairchance.

The private banks that have been doing business in Conneltsville for a number of years and probably the most substantial in the county, those of F. A. Kall and P. Bufano have been consolidated with the Citizens National Bank and the Young National Bank going with the former and Bufano with the latter partnership or union incorporated association is permitted under the new law to engage directly or indirectly in the banking business without first securing a license from the State Board composed of the State Treasurer, Secretary of the Commonwealth and Commissioner of Banking. In addition, the application must be filed prior to the granting of the license a bond must be filed to guarantee the safety of money invested by depositors of not less than \$10,000 or more than \$100,000. Upon the receipt of the application, the Commissioner of Banking is required to make an examination into the financial standing and moral character of the applicant as to whether the statements obtained in the application are true and to this end the application shall be advertised by the Commissioner or at the expense of the applicant once a week for at least three weeks in two newspapers of general circulation and in the legal periodical, if any in the county where the applicant proposes to do business or nearest county where such newspapers are published. After such advertisement the board will approve or disapprove the application. The license fee is \$50.

Each license is required to keep such books of account as are approved by the Commissioner of Banking showing full and complete records of all business transacted and a full statement of all assets and liabilities and shall at least two times each year as of such days the Commissioner of Banking may designate file within 10 days a written statement under oath in such form as shall be prescribed the amount of assets and liabilities a copy of which must be published three times in a newspaper of general circulation, must be published three times in a newspaper of general circulation and in the legal periodical, if any. Money received for transmission to a foreign country shall be forwarded within five days after receipt.

The provisions of the law do not apply to any corporation authorized to do business under the provisions of the banking laws of the State or any corporation authorized to receive deposits nor to an association organized under the national banking act nor to any holder of a license to receive money for safekeeping from a guest, any express company or telegraph company receiving money for transmission provided such company is not engaged directly or indirectly in the sale of membership tickets or to any individual partnership or unincorporated association who would otherwise be required to comply with the provisions of the act who shall file with the Commissioner of Banking a bond for \$100,000 where the business is conducted in a city of the first or second class or \$50,000 if conducted elsewhere in the State not to be licensed by the State to do a brokerage business nor to private banks doing business continuously for seven years prior to the passage of this act nor engaged in the sale, as agent or otherwise, of railroad and steamship tickets.

ONLY MONTH AWAY

With Favorable Weather W. M. Track
Layers Can Make Time

It all depends upon the weather whether the track layers of the West Penn Railroad will reach Conneltsville next month. They are now almost to Bear Run and with favorable conditions should get as far as the Hill contract south of town next month. Tracks have been laid through the Pickett tunnel giving the new rail road an all rail route from that point practically to Bear Run on Division Engineer J. I. Palmer's district.

New Telephone Offices

Following the positive refusal of the old officers to serve another year new officials were chosen for the Bear Run Telephone Company, at the annual meeting held yesterday at Tippecanoe. The men chosen were W. T. Wood of Fayette City, president; A. C. Brown of Williamsport, vice president; Raydon Craft, secretary; Squire Devorion, treasurer; and John Arison, F. Garrison and William Campbell trustees.

Third Track Completed

The B. & O. Railroad Company has completed the third track system midway between Philson and Mance on the other side of Sand Patch tunnel. This gives about 12 miles of third track service east of the tunnel.

COKE RATE CASES

Will Be Cleared Up First By Interstate Commerce Commission

WASHINGTON, Dec. 21.—The railroad side of the Pittsburgh vein coke operators' complaint against the 88 cent rate on coal from the Pittsburgh field to Lake Erie ports will not be heard by the Interstate Commerce Commission until January 8 next. The rebuttal was to have been presented next Wednesday December 27 but owing to the coke cases now before the commission and the desire to clear them up before the beginning of the new year caused the postponement of the Pittsburgh case which was agreed to by both sides.

The commission yesterday continued the hearing of the complaint of the Wisconsin Steel Company of South Chicago against the Pennsylvania New York Central lines and other carriers from the Conneltsville coke field. Various witnesses for the complainant and coke men interested in the case testified as to the volume of coke which is carried west over the railroads named. They asserted that 75 per cent of the freight originated on these lines is composed of coal and coke.

W. L. Licht of Uniontown was put on the stand to show the coke shipped from the Conneltsville field and of the revenues derived by the railroads under the old and new rates on foundry and furnace. E. L. Williams, an expert traffic man, produced a mass of figures pertaining to the tonnage of the Pennsylvania Lines, West and the Lake Shore & Michigan Southern. In 1906 the revenue of the Pennsylvania lines was \$2.25 per ton per train mile while in 1911 it was \$3.50. The operating expenses per ton per train mile was \$1.45 in 1906 and \$1.58 in 1911.

J. P. Orr, freight traffic manager of the Pennsylvania lines was asked about the flat rate of \$3.00 on foundry and furnace coke. Formerly there was a rate on each class of coke \$2.50 on furnace and \$3.00 on foundry coke. Mr. Orr contended that the revenue had not been materially increased.

The coke men and the consumers have not asked the commission for any stated rate on the two classes of coke hauled over the railroads from the Conneltsville field, but will file that to the commission to adjust. It is probable that an early decision will be handed down.

Unless Jesse H. Wise of Wynnewood, Pa. can show that in the districts of Fayette county, Pa. where he alleges gross irregularities were practiced to secure the election of C. T. S. Crigo, Republican to Congress from the Twenty-third district of Pennsylvania, the alleged frauds would affect the general result in the district. The content that Mr. Wise insinuated recently against Col. Crigo is false. It is understood to be the opinion of members of the election committee of the House that Mr. Wise should substantiate his charge of fraud in the districts designated before the committee would feel warranted in making a favorable report to the House. The Democratic Keeton and date by a plurality of almost 600.

WONDERFUL GROWTH

Of Population in Territory of West Penn Railroad in Ten Years

From 1901 to last year the territory of the West Penn Railroad has grown from 10,000 to 100,000 people. This increase has been accomplished by the growth in the territory of the West Penn Railroad Company's lines in the Western portion of Pennsylvania. The count is by the Allegheny, Westmoreland, Fayette, Washington, Beaver, Greene and Armstrong counties. The increase in population from 1901 to 1910 of over half a million is entirely remarkable. The average of the density of population of these counties is 125 per square mile. This is the average of the population of the State of Pennsylvania. The average of the density of population of the State of Pennsylvania is 43. The increase in population of the West Penn Railroad territory is 100 per cent for the same period. The growth being about two thirds more rapid than the rest of the State.

The census figures also indicate an astonishingly large bulk increase in population in Allegheny, Beaver, Westmoreland, Washington, Beaver, Greene and Armstrong counties taken as a whole. Outside of the seven counties the remainder of the State, including the city of Philadelphia, gained 902,977 in the period from 1901 to 1910. The counties above referred to made a gain of 499,921 during this period or over half as much as the entire remaining 80 counties. In the seven counties in the West Penn Railroad territory there are 1,736,311 people or 22.6 per cent of the total population of the State for 1910 which was 7,653,111.

Density of population is a large factor in the value of traction and lighting territory. The average of the density of population per square mile of the seven counties above mentioned was for 1911 the latest available figures 3347. The average for the State was 211. This shows that the West Penn Railroad territory is nearly twice as densely populated as the average over the State.

Comparing the average of the counties of the West Penn Railroad territory with the average of the 19 most populous counties in the Eastern part of the State in which is included the city of Philadelphia the West Penn counties with their average population of 47 per square mile are conspicuous in comparison with the Eastern average of 24.3 being one third higher.

Big Improvement at Monacaon. Contracts have been awarded by the Pittsburgh Steel Company for two blast furnaces to be built at Monacaon, Pa. for the building of the merchant mill for the same location. The award of these contracts is the final step toward the enlargement of the Monacaon plant. The plans for this improvement involve more than \$3,000,000.

The Weekly Courier \$1.00 a year

COURTESY TO PUBLIC GAS COMPANY KEYNOTE

Over Score of Fayette County
Employees Attend a
Meeting Held Here.

THE POLICY OF SUPT. ANGLE

Manner of Employees as Well as Their
Words in Dealing With the Public
Can Show Respect and Courtesy to
Patrons of the Company

The first of a series of meetings to be held by the employees of the Fayette County Gas Company in this section was in session Friday in the office of Superintendent J. I. Angle at this place. In all employees of the company gathered in the Superintendent's office. They came from Conneltsville, Uniontown, Stateville, Mt. Pleasant and Youngwood comprising the district which extends from the West Virginia line to Leurgood. Further meetings will be held each month the next being scheduled January 5 at Uniontown. Superintendent Angle is holding these staff meetings for the purpose of enabling the company to give better and more satisfactory service to its patrons. The level of employees in their manner of conduct and other officials were present.

Some discussion of Superintendent Angle addressed a note to his men on the subject of courtesy to the public. At this high meeting the matter of courtesy on the part of the gas company employees to their patrons was discussed at length. In various points brought out by Superintendent Angle were taken up.

Superintendent Angle believes that a better feeling can be brought about between the company and its patrons. He is anxious that the best possible service be given by the company and that the monthly meetings with this end in view.

Superintendent Angle addressed on courtesy was as follows: The possession of a good degree of courtesy is a quality which every man should have in his nature. It is a quality which is not taught but is a quality which is inherited. It is a quality which is not taught but is a quality which is inherited. It is a quality which is not taught but is a quality which is inherited.

First, the principle of courtesy is to be courteous to all people. It is to be courteous to all people. It is to be courteous to all people. It is to be courteous to all people. It is to be courteous to all people.

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THE LIABILITY

Of Mine Explosions From Drilling
Through Seams of Coal

The liability of mine explosions from drilling through seams of coal from gas pockets will in properly cemented tubing is an important question by the Penn Gas Coal Company against the Greenbush Gas Company in July Court before Judge L. W. Doty at Greensburg.

The case is said to have a particularly strong bearing on mining. It is especially where wells are drilled through coal workings. According to A. P. Cameron head of the Penn Gas Coal Company the failure of the gas company to properly cement the pipes and prevent gas leaks has caused the danger in the mines.

The action in suit comes from the drilling of wells through old workings of the coal company on the Berwyn Cuffey farm near Leurgood. It is claimed that the gas company failed to fulfill their agreement to the owners to cement the pipes and that lives of miners were being imperiled by the failure. Cameron of the coal company stated on Wednesday morning that gas coming from the old workings the big mine disaster. One instance which he cited was the explosion in mine No. 9 of the Conelth Coal & Coke Company of West Virginia. Mr. Cameron then stated that West Virginia has been the cause of the drilling of gas wells through coal workings but that no such law exists in this state.

With the conclusion of the case Mr. Cameron said the coal company will pay the court and that in case of an adverse decision the gas company will assume the expense of drilling the gas wells through coal workings. The inspectors present at the gathering were Arthur M. Irwin, Charles Byron McKee, Peter and C. B. Rose of Leurgood, Mining Engineer George H. H. of West New on is also a witness.

RAILROAD BUILDING

In Southern Fayette County to Connect
Buckhannon and Northern

Trak has been busy at work at the present terminus of the Young Leurgood line to the site of the new line just above New Green. It is a line to the Pennsylvania line at Leurgood. This section of the road is being completed by the work is stated in the Greenbush side, so that the structure is to be used in the new line can be supplied from Pittsburgh by rail.

Work on the bridge is progressing rapidly. It is more than half completed by the engineers in charge. The work has been made the rapid construction of the bridge and the work is in the foundation of the bridge. The stone work for the bridge is being laid by the bridge company. The bridge is to be a trestle bridge.

Phosphorus has been constructed. The first month of construction and the second month of construction. The work is being done by the bridge company. The bridge is to be a trestle bridge.

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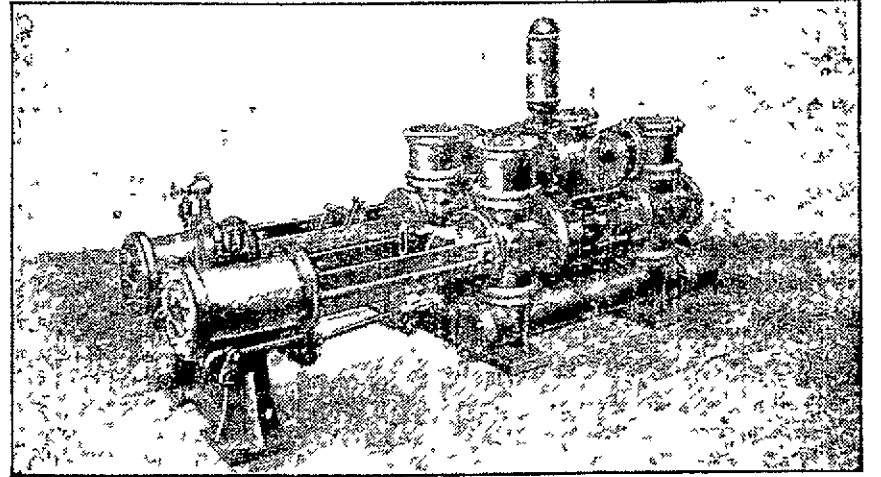
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P. S. 1 and 2 420	Tyler and Sylvester Wm.
Aus. 1 Coal & Coke Co. 420	H. C. Frick Coke Co.
P. S. 2 and 3 100	To Run Shoaf and Bitner 1,000
Colonial Coke Company, 100	Structures Coal & Coke Co.
Snook 100	Fairbank Works

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Development of Coal Properties, Examinations, Reports and Designs.

THE COURIER, CONNELLSVILLE, PA.

GENERAL MAP

OF THE

BITUMINOUS COAL FIELDS

OF PENNSYLVANIA. 1909-10.

BY BAIRD HALBERSTADT, F. G. S.

Showing the location of the mines and giving the names and no office addresses of the Operators.

With which is combined a Geological Railway and Waterway Map of the entire APPALACHIAN COAL FIELD from Pennsylvania to Alabama, giving the location and extent of all the Coal Districts.

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Analysis of Silica Brick.

Silica 95.10

Alumina 2.16

Iron Oxide 60

Lime 180

Magnesia 15

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Works—Salina, Pa. P. R. R. Conemaugh Div.

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